

AMENDMENT  
(according to provision of Section 11)

To: Commissioner, Patent Office

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1. Indication of International Application: PCT/JP02/02714
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4. Object of Amendment:

20 Specification and Claims

5. Content of Amendment:

- (1) In the specification, page 4, line 23 to page 5, line 17, delete, "5. A secondary .. anion atom."
- (2) In the specification, page 5, line 18, change "7" to 25 "3";
- (3) In the specification, page 6, line 25, change "8" to "6";
- (4) In the specification, page 8, line 7, change "9" to "7";
- (5) In the specification, page 9, line 3, change "10" to 30 "8";
- (6) In the specification, page 9, line 16, change "11" to "9";
- (7) In the specification, page 11, line 13, change "12" to 35 "10";

(8) In the Claims, page 47, cancel claims 5 and 6.

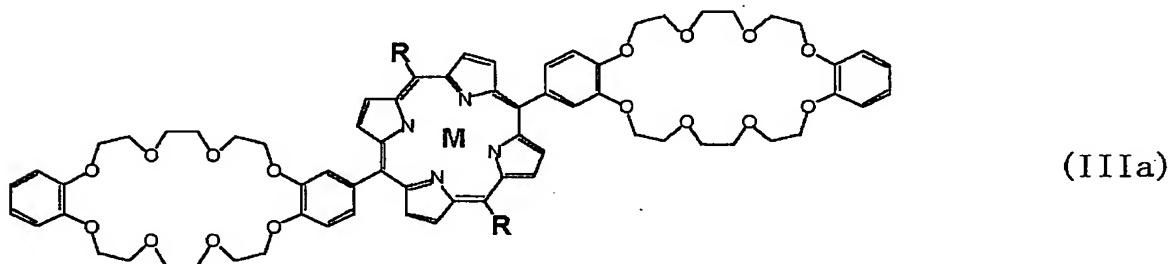
6. List of Attached Documents

(1) Specification pages 4-11

5 (2) Claims page 47

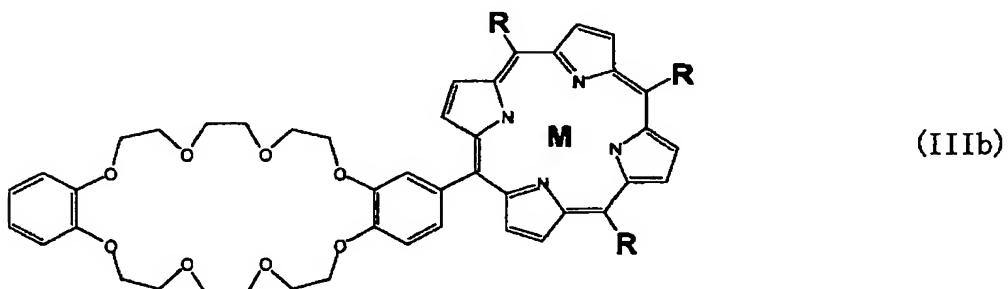
the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom.

3. A compound represented by the following general formula (IIIa):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

4. A compound represented by the following general formula (IIIb):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

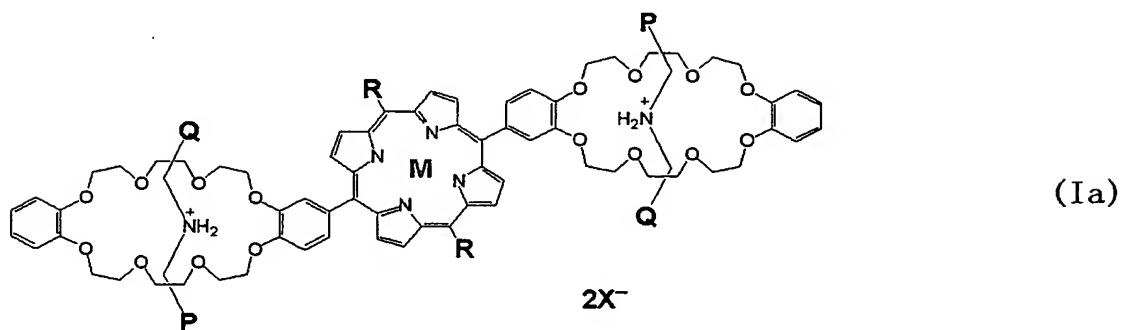
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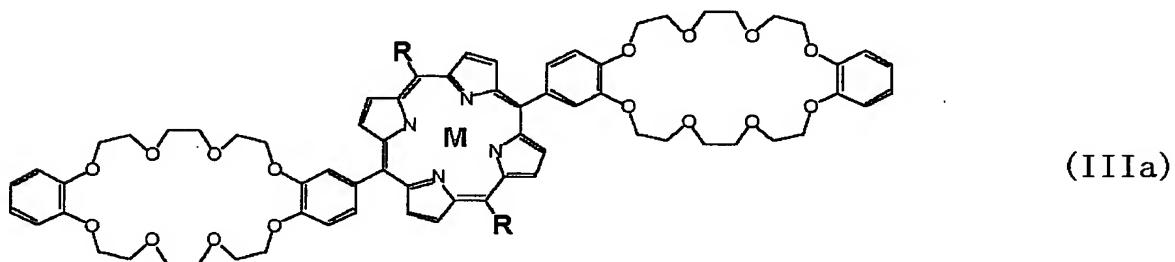
5. A process for the preparation of a monomer represented by the following general formula (Ia):



wherein M represents a transition metal coordinatable with  
 25 the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic

hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, said process comprising reacting a compound represented by the following general formula (IIIa):

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10 wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, with a secondary ammonium salt represented by the following

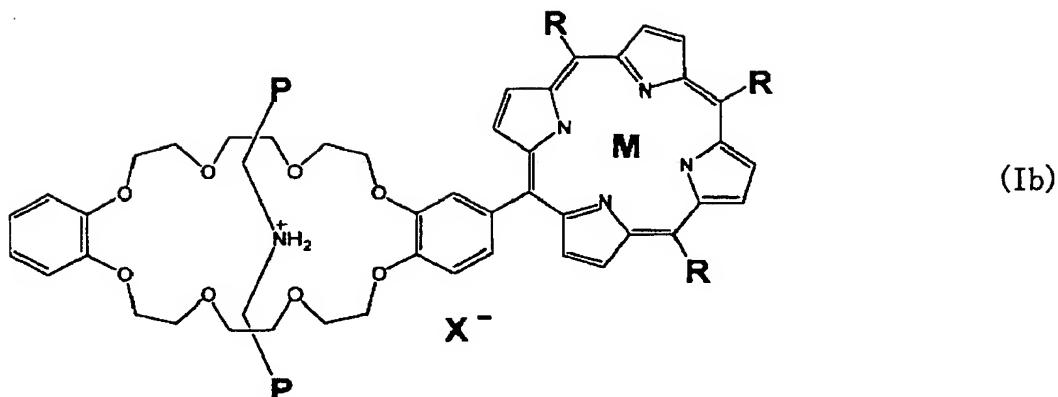
15 general formula (IVa):



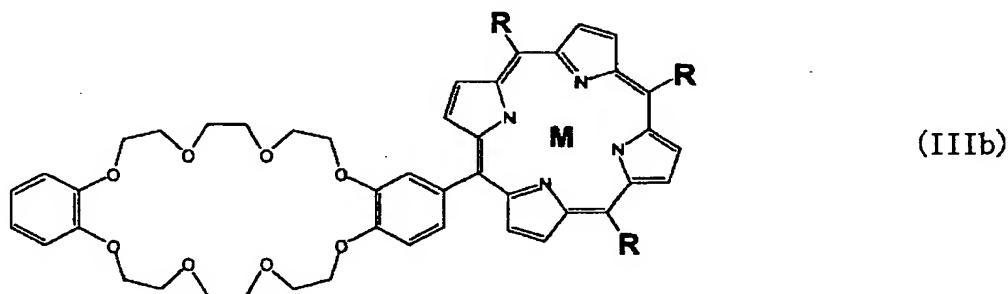
wherein P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from

20 aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, in a solvent.

25 6. A process for the preparation of a monomer represented by the following general formula (Ib):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom, said process comprising reacting a compound represented by the following general formula (IIIB):

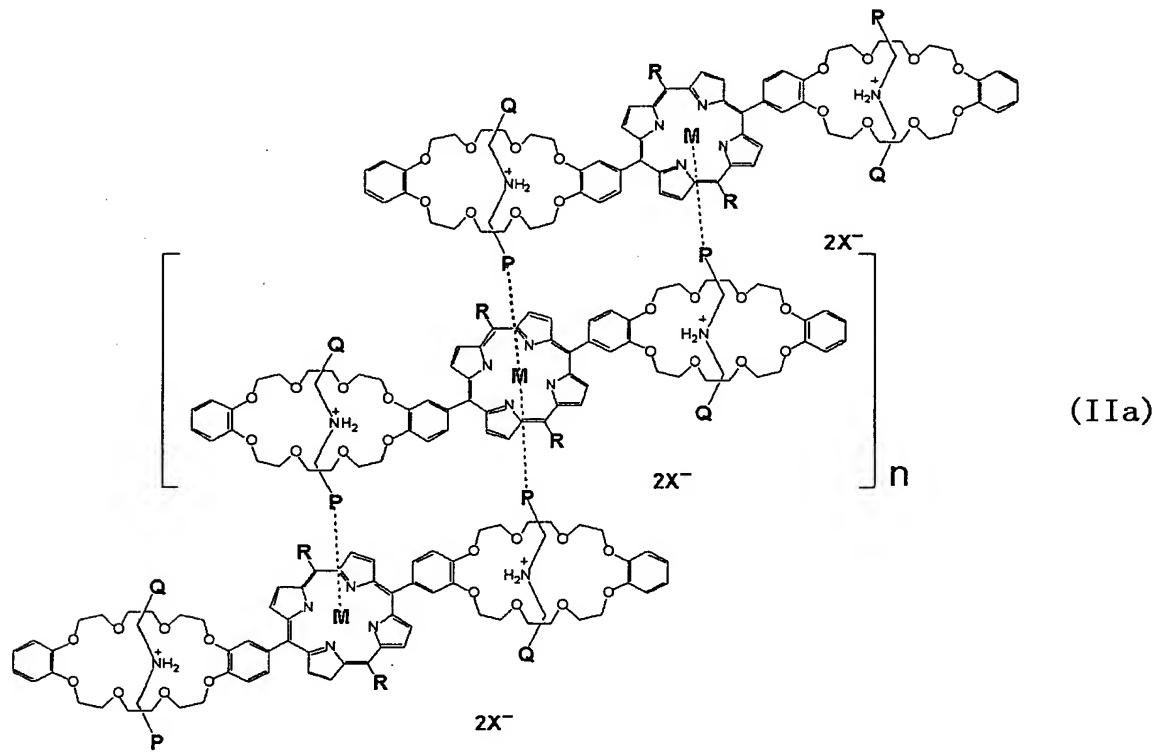


wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands and R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, with a secondary ammonium salt represented by the following general formula (IVb):



wherein P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, and X represents an arbitrary anion atom, in a solvent.

7. A polymer represented by the following general formula (IIa):

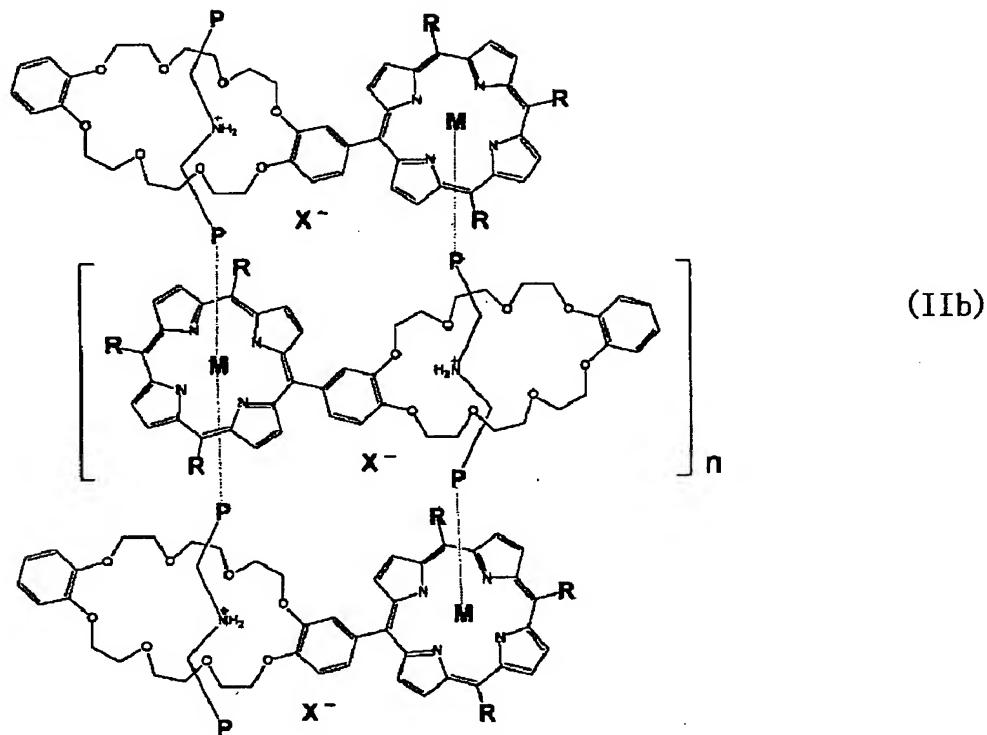


10 wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X

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represents an arbitrary anion atom and n is an integer of 1 or more.

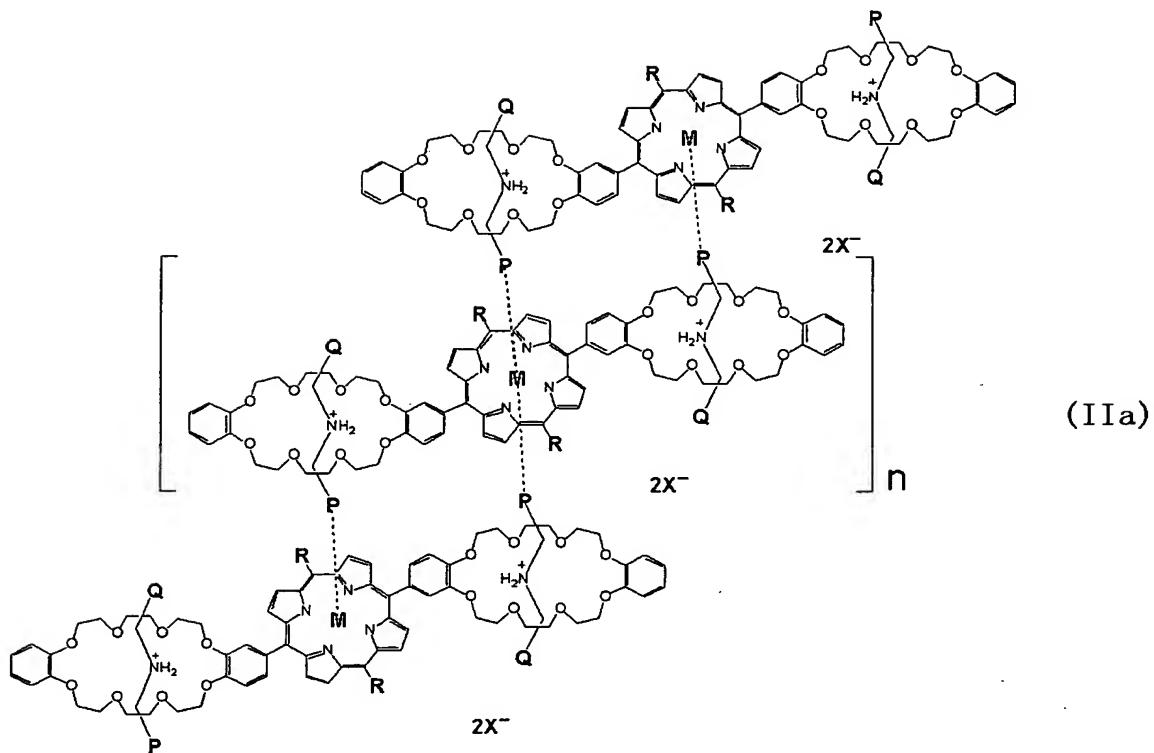
8. A polymer represented by the following general formula (IIb):



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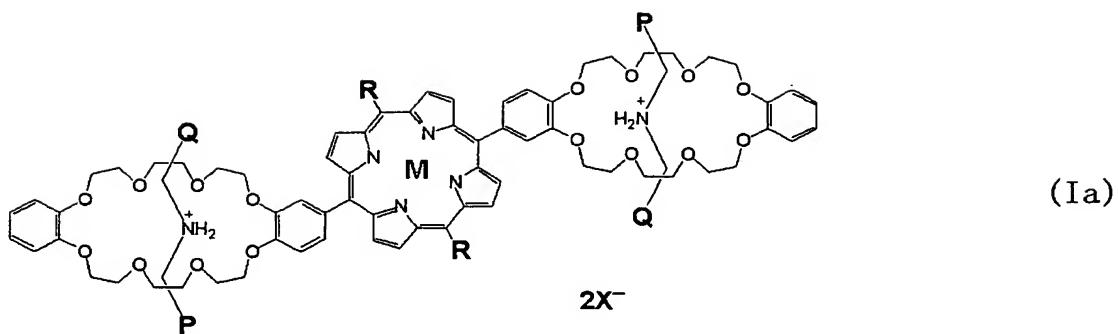
wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X represents an arbitrary anion atom and n is an integer of 1 or more.

9. A process for the preparation of a polymer represented by the following general formula (IIa):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, X represents an arbitrary anion atom and n is an integer of 1 or more,

said process comprising polymerizing a monomer represented by the following general formula (Ia):



wherein M represents a transition metal coordinatable with the four nitrogen atoms and two additional ligands, P represents a group having, at a terminus thereof through a hydrocarbyl group, a nitrogen atom coordinatable with a metal, said hydrocarbyl group being selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, Q represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups, R represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups and X represents an arbitrary anion atom.

10. A process for the preparation of a polymer represented by the following general formula (IIb):

represents a hydrocarbyl group selected from aliphatic hydrocarbon groups and aromatic hydrocarbon groups.

5. cancelled

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6. cancelled

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7. A process for the preparation of a monomer represented by the following general formula (Ia):